

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 12b-25**

**Notification of Late Filing**

Commission File Number: 0-15888

(Check one)

☒ Form 10-K or 10-KSB ☐ Form 20-F ☐ Form 11-K ☐ Form 10-Q or 10-QSB  
☐ Form 10-D ☐ Form N-SAR ☐ Form N-CSR

For period ended December 31, 2007

- ☐ Transition Report on Form 10-K
- ☐ Transition Report on Form 20-F
- ☐ Transition Report on Form 11-K
- ☐ Transition Report on Form 10-Q
- ☐ Transition Report on Form N-SAR

For the transition period ended \_\_\_\_\_

Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.

If the notification relates to a portion of the filing checked above, identify the item(s) to which the notification relates:

**PART I**  
**REGISTRANT INFORMATION**

Full name of registrant: IGENE Biotechnology, Inc.

Former name if applicable:

Address of principal executive office (*Street and Number*): 9110 Red Branch Road

City, State and Zip Code: Columbia, Maryland 21045

**PART II**  
**RULE 12B-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate.)

|  |  |
|--|--|
| <input checked="checked" type="checkbox"/> | (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;<br>(b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR, or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and<br>(c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable. |
|--|--|

**PART III**  
**NARRATIVE**

State below in reasonable detail why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof could not be filed within the prescribed time period. (Attach extra sheets if needed.)

Although the Company's management has been working diligently to complete all the required information for the Company's annual report on Form 10-KSB for the year ended December 31, 2007, and a substantial part of such information has been completed as of this date, the Company and its auditors are unable, without unreasonable effort or expense, to complete the financial statements and other disclosures for the Form 10-KSB on or before March 31, 2008. The delays in the filing are related to the resolution of an accounting issue discussed with the Securities and Exchange Commission. Management expects to file its annual report on Form 10-KSB on or before April 15, 2008.

**PART IV**  
**OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification.

Edward J. Weisberger  
(410) 997-2599

(2) Have all other periodic reports required under Section 13 or 15(d) or the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months (or for such shorter period) that the registrant was required to file such report(s) been filed? If the answer is no, identify report(s).

|   |     |  |  |    |
|---|-----|--|--|----|
| X | Yes |  |  | No |
|---|-----|--|--|----|

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

|  |     |  |   |    |
|--|-----|--|---|----|
|  | Yes |  | X | No |
|--|-----|--|---|----|

If so, attach an explanation of the anticipate change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

IGENE Biotechnology, Inc.  
(Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

March 31, 2008

By: /S/ EDWARD J. WEISBERGER  
EDWARD J. WEISBERGER  
Chief Financial Officer